CUSTOM RATES SURVEY

FERTILIZER AND HERBICIDE APPLICATIONS AND GRAIN SEEDING

1988

Alberta
AGRICULTURE
STATISTICS BRANCH
427-4011

PREFACE

The Custom Rate Survey is conducted for Alberta Agriculture as a cooperative effort involving the Department Statistics Branch, Farm Business Management Branch and Unifarm.

The data presented in this report was obtained by contacting custom operators and dealers and thus represent actual charges. Please note that some instances may be GNR (Good Neighbor Rates) as opposed to CR (Commercial Rates). The reader should be aware that varying conditions in different areas of the province can significantly affect the rates charged.

The intent of the survey is to provide producers with additional information to help with their farm management decisions. The quality of data is dependent on the cooperation received by producers as well as commercial custom operators. We would like to thank all those who were so willing in helping to provide information. If you are involved in any custom operations and have not been contacted but wish to contribute please call the following numbers or contact your local District Agriculturist.

Alberta Agriculture
Statistics Branch
Edmonton, Alberta
403-427-4011

Alberta Agriculture
Farm Business Management Branch
Olds, Alberta
403-556-8421

LEGEND

● Regional Offices

Region 1 - Lethbridge
2 - Airdrie
3 - Red Deer
4 - Vermilion
5 - Barrhead
6 - Fairview

★ Edmonton
Calgary

LEGEND

OPERATIONS

CS - Crop Seeding
FA - Fertilizer Application
HA - Herbicide Application

PRODUCT FORM

A - Anhydrous Ammonia
G - Granular
L - Liquid

APPLICATOR

PT - Pull Type
TM - Truck Mount
FL - Floater
AS - Air Seeder
FW - Fixed Wing

NOTES

CULT - Cultivator
HERB - Herbicides
FERT - Fertilizer

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD6	FA	L	PT BANDWAGON	$1/AC		PLUS DELIVERY
1	MD6	FA	A	CULT W/COLD FLOW KIT		5.50	
1	MD9	FA	G	PT WILLMAR	45/DAY		WITH PURCHASE OF PRODUCT
1	MD14	FA	L	FL TERRIGATOR		3.75	
1	MD14	FA	G	FW PIPER PAWNEE		5.00	
1	MD14	FA	G	FL SIMONSON		3.00	
1	MD26	FA	L	PT BANDWAGON	1.25/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	G	AS CONCORD		7.00	
1	MD26	FA	G	FL LOREL		3.25	WITH AVADEX
1	MD26	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
1	2	FA	G	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
1	2	FA	G	FL LOREL		2.50	WITH OR WITHOUT AVADEX
1	2	FA	G	AS CONCORD		4.00	
1	2	FA	G	PT WILLMAR	$1.50/AC		WITH PURCHASE OF PRODUCT
1	2	FA	G	PT WILLMAR	$10/DAY		WITH PURCHASE OF PRODUCT
1	4	FA	G	FL LOREL		3.00	
1	4	FA	G	AS CONCORD	$3.50/AC		
1	4	FA	G	FL BIG A		3.00	
1	4	FA	L	FW THRUSH COMMANDER		4.00	MORE THAN 100KG/AC
1	4	FA	L	FW THRUSH COMMANDER		3.25	1 GALLON WATER
1	4	FA	L	FW THRUSH COMMANDER		3.75	3 GALLONS WATER
1	4	FA	L	FW THRUSH COMMANDER		4.50	5 GALLONS WATER

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	5	FA	G	FL TERRIGATOR		2.50	
1	5	FA	A	PT BANDICATOR	$1.50/AC		WITH PURCHASE OF PRODUCT
1	5	FA	L	PT BANDWAGON	$0.50/AC		WITH PURCHASE OF PRODUCT
1	5	FA	G	PT WILLMAR		2.25	
1	5	FA	L	FW PIPER PAWNEE		3.40	1 GALLON WATER
1	5	FA	L	FW PIPER PAWNEE		3.90	2 GALLONS WATER
1	5	FA	L	FW PIPER PAWNEE		5.50	5 GALLONS WATER
1	8	FA	A	PT MCGREGGOR	$3.75/AC		INCLUDES DELIVERY
1	8	FA	G	FL TRUCK MOUNT		3.50	
1	8	FA	L	PT BANDWAGON & DRIBBLER	$1/AC		WITH PURCHASE OF PRODUCT
1	8	FA	G	FL FIELD JIMMY		3.50	WITH AVADEX
1	8	FA	L	PT SIDE-BANDER	$2/AC		FOR SPECIALTY CROPS
1	8	FA	G	PT WILLMAR		2.25	
1	26	FA	G	FL WILLMAR		3.00	
1	26	FA	G	PT WILLMAR	$4/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	PT WILLMAR	$1/AC		MAXIMUM $75/DAY
1	26	FA	G	PT WILLMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
1	26	FA	G	FL WILLMAR		3.25	WITH AVADEX
1	26	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	FL TERRIGATOR		3.00	
2	CALGARY	FA	G	FL LOREL		3.25	WITH AVADEX
2	CALGARY	FA	G	PT WILLMAR	$1/AC		
2	CALGARY	FA	A	PT MCGREGGOR	$65/TONNE		PLUS DELIVERY
2	ID7	FA	G	FW GRUMMAN AG-CAT		3.50	

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	ID7	FA	G	FW GRUMMAN AG-CAT		8.00	OVER 200 LBS. PER ACRE
2	ID7	FA	G	FW GRUMMAN AG-CAT		3.50	LESS THAN 25 LBS. PER ACRE
2	ID7	FA	L	FW GRUMMAN AG-CAT		3.00	1 GALLON WATER
2	MD31	FA	G	AS JOHN DEERE		6.50	DEEP BANDING
2	MD31	FA	G	FL WILLMAR		4.25	
2	MD31	FA	G	FL LOREL		3.00	
2	MD31	FA	G	AS MORRIS		6.50	DEEP BANDING
2	MD31	FA	G	AS JOHN DEERE		6.25	
2	MD34	FA	G	FL WILLMAR		3.50	
2	MD34	FA	G	FL WILLMAR		3.00	
2	MD44	FA	L	FL TYLER		3.25	WITH AVADEX
2	MD44	FA	G	FL WILLMAR		3.75	
2	MD44	FA	G	FL TYLER		3.25	WITH AVADEX
2	MD44	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	G	FL LOREL		3.25	WITH AVADEX
2	MD44	FA	G	AS PRASCO		3.50	
2	MD44	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	MD48	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
2	MD48	FA	G	PT SIMONSON	$5/TONNE		WITH PURCHASE OF PRODUCT
2	MD48	FA	G	FL LOREL		3.00	
2	MD48	FA	A	PT MCGREGGOR	$80/TONNE		INCLUDES DELIVERY
2	MD48	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
2	MD48	FA	G	AS FRIGSTAD		7.00	DEEP BANDING

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	SA3	FA	G	FL LOREL		3.50	WITH AVADEX
2	SA3	FA	L	FL TERRIGATOR		2.00	STRIP BANDING
2	SA3	FA	G	FW CESSNA 188		3.00	AT 10 LBS. PER ACRE
2	SA3	FA	G	FW CESSNA 188		3.50	AT 30 LBS. PER ACRE
2	16	FA	G	PT BANDICATOR	$3/AC		WITH PURCHASE OF PRODUCT
2	16	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
2	16	FA	G	TM WILLMAR		2.50	
2	16	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT WILLMAR	$0.65/AC		WITH PURCHASE OF PRODUCT
2	17	FA	L	FL TERRIGATOR		3.00	
2	17	FA	G	TM TYLER		3.00	
2	17	FA	G	FL TERRIGATOR		3.00	
2	17	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	FL LOREL		3.60	
2	17	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT WILLMAR	$50/DAY		WITH PURCHASE OF PRODUCT
3	MD99	FA	G	TM WILLMAR		2.75	
3	MD99	FA	G	PT WILLMAR	$5/TONNE		WITH PURCHASE OF PRODUCT
3	3	FA	G	TM BARBER		3.00	
3	3	FA	G	PT WILLMAR	$7/TONNE		WITH PURCHASE OF PRODUCT
3	3	FA	G	PT WILLMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
3	6	FA	G	FL LOREL		3.25	
3	6	FA	G	TM BARBER		2.50	

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REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	14	FA	G	PT WILLMAR	$8/TONNE		WITH PURCHASE OF PRODUCT
3	14	FA	G	TM BARBER		3.00	
3	14	FA	G	PT WILLMAR	$7/TONNE		WITH PURCHASE OF PRODUCT
3	14	FA	G	TM BARBER		3.25	WITH AVADEX
3	14	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
3	22	FA	G	PT MOBILITY	$0.75/AC		WITH PURCHASE OF PRODUCT
3	22	FA	A	PT MCGREGGOR	$30/TONNE		PLUS DELIVERY
3	22	FA	G	PT WILLMAR	$1.25/AC		
3	23	FA	G	PT TYLER	$6/TONNE		WITH PURCHASE OF PRODUCT
3	23	FA	G	FL LOREL		3.00	
3	23	FA	G	TM WILLMAR		2.75	
3	23	FA	G	FI WILLMAR		2.50	
3	23	FA	G	AS PRASCO		4.50	DEEP BANDING
3	23	FA	G	TM BARBER		3.25	
3	23	FA	G	AS CONCORD		8.00	DEEP BANDING
3	23	FA	G	FW AYRES TURBO THRUSH		4.50	AT 100 LBS. PER ACRE
3	29	FA	G	AS PRASCO		5.00	DEEP BANDING
3	29	FA	G	TM TYLER		1.75	HAY & PASTURE
3	29	FA	G	PT TYLER	$5/TONNE		WITH PURCHASE OF PRODUCT
3	29	FA	G	TM TYLER		2.75	CROPLAND
3	29	FA	G	AS PRASCO		5.25	DEEP BANDING
3	29	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
4	MD52	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
4	MD52	FA	G	PT MOBILITY	$1.10/AC		WITH PURCHASE OF PRODUCT
4	MD61	FA	L	FL TERRIGATOR		3.30	
4	19	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
4	19	FA	G	AS JOHN DEERE		7.00	DEEP BANDING
4	19	FA	G	PT MOBILITY	9/TONNE		WITH PURCHASE OF PRODUCT
4	24	FA	L	FL BIG A		3.50	
4	24	FA	G	FL WILLMAR		3.00	
4	24	FA	G	PT TYLER BANDWAGON	$3/AC		WITH CULTIVATOR
4	24	FA	G	FL WILLMAR		3.00	
4	24	FA	L	PT BANDWAGON	$1/AC		
4	24	FA	G	AS VALMAR ON CULT	$4/AC		W/AVADEX APPLICATOR
4	24	FA	G	FW GRUMMAN AG-CAT		3.75	AT 100 LBS. PER ACRE
4	24	FA	L	FL IHC		3.25	10 GALLONS WATER
4	24	FA	G	FL TERRIGATOR		3.25	
4	27	FA	G	PT MOBILITY	$0.50/AC		WITH PURCHASE OF PRODUCT
4	27	FA	G	AS VALMAR ON CULT	$3/AC		FOR DEEP BANDING
4	27	FA	G	AS VIBRASHANK		6.50	DEEP BANDING
4	30	FA	G	PT SIMONSON		2.75	
4	30	FA	G	PT WILLMAR	$6/TONNE		WITH PURCHASE OF PRODUCT
4	30	FA	G	PT TYLER BANDWAGON	$2/AC		WITH PURCHASE OF PRODUCT
5	MD90	FA	G	FL WILLMAR		2.75	
5	MD90	FA	G	PT WILLMAR	$5.50/TONNE		WITH PURCHASE OF PRODUCT

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
5	MD90	FA	G	FL WILLMAR		2.75	
5	MD92	FA	G	FL WILLMAR		3.50	
5	MD92	FA	G,A	PT DUAL SHOOTER		3.75	
5	MD92	FA	G	FL WILLMAR		2.25	
5	7	FA	A	PT MCGREGOR	$80/TONNE		APPLICATOR, TANK & DELIVERY
5	11	FA	G,A	AS & VALMAR W/NH3 KIT		7.50	DUAL BANDING
5	11	FA	G,A	AS & VALMAR W/NH3 KIT		8.50	DUAL BANDING WITH AVADEX
5	11	FA	G	PT WILLMAR	$5/TONNE		WITH PURCHASE OF PRODUCT
5	12	FA	L	FL TERRIGATOR		3.00	
5	12	FA	G,A	PT BANDICATOR	$2.50/AC		FOR DUAL BANDING
5	20	FA	G	PT SIMONSON		2.75	
5	20	FA	G	PT WILLMAR	$50/DAY		WITH PURCHASE OF PRODUCT
5	25	FA	G	PT WILLMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	25	FA	G	FL SIMONSON		3.00	WITH AVADEX
5	31	FA	G	PT TYLER	$6/TONNE		WITH PURCHASE OF PRODUCT
5	31	FA	G	FL LOREL		3.00	
6	ID21	FA	L	FL TERRIGATOR		3.00	
6	ID23	FA	G	FL WILLMAR		3.00	

FERTILIZER APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
6	MD130	FA	A	PT MCGREGGOR	$40/TONNE		TANK & APPLICATOR
6	MD130	FA	G	FL BIG A		3.00	
6	MD133	FA	G	PT WILLMAR	$65/DAY		WITH PURCHASE OF PRODUCT
6	MD133	FA	G	PT WILLMAR	$45/DAY		WITH PURCHASE OF PRODUCT
6	MD135	FA	G	FL WILLMAR		3.25	WITH AVADEX
6	MD136	FA	G	PT MOBILITY	$1/AC		WITH PURCHASE OF PRODUCT
6	MD136	FA	A	PT MCGREGGOR	$80/TONNE		TANK, APPLICATOR & DELIVERY
6	1	FA	L	FL TERRIGATOR		3.50	
6	1	FA	G	AS CONCORD		6.50	DEEP BANDING
6	1	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
6	1	FA	G	FL WILLMAR		3.00	
6	1	FA	G	PT WILLMAR	$1.25/AC		WITH PURCHASE OF PRODUCT
6	1	FA	L	PT BANDWAGON	$1.50/AC		WITH PURCHASE OF PRODUCT
6	1	FA	G	AS JOHN DEERE		6.00	DEEP BANDING

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD6	HA	L	SP SPRAY COUP		2.25	
1	MD6	HA	L	FL TERRIGATOR		2.50	
1	MD9	HA	L	TM HARDY		2.10	
1	MD9	HA	L	TM VALMAR		2.00	
1	MD14	HA	L	FW PIPER PAWNEE		2.75	1 GALLON WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.40	2 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.75	3 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.00	1 GALLON WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.50	2 GALLONS WATER
1	MD14	HA	L	FW PIPER PAWNEE		3.80	3 GALLONS WATER
1	MD26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	5	HA	L	FL TYLER		3.85	
1	5	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	8	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
1	26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	26	HA	L	SP COMPUTER SPRAYER		2.75	
2	CALGARY	HA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
2	CALGARY	HA	L	PT BOOM SPRAYER		2.50	

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	ID7	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	ID7	HA	L	FW GRUMMAN AG-CAT		3.25	1 GALLON WATER
2	ID7	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
2	MD31	HA	L	FL TERRIGATOR		2.75	
2	MD31	HA	G	TM HARDY		2.25	
2	MD31	HA	L	TM JOHN DEERE		2.75	
2	MD34	HA	G	PT VALMAR	$1.25/AC		WITH PURCHASE OF PRODUCT
2	MD34	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	G	PT VALMAR	$1.25/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	G	TM VALMAR		2.00	
2	MD44	HA	G	FW GRUMMAN AG-CAT		3.25	
2	MD44	HA	L	FW GRUMMAN AG-CAT		3.00	1 GALLON WATER
2	MD44	HA	L	FW GRUMMAN AG-CAT		3.50	2 GALLONS WATER
2	MD48	HA	G	PT VALMAR ON HARROW BAR		3.10	
2	MD48	HA	G	PT VALMAR ON HARROW BAR		4.00	WITH PACKERS
2	MD48	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
2	MD48	HA	L	PT BANDWAGON	$0.75/AC		WITH PURCHASE OF PRODUCT
2	MD48	HA	L	TM HARDY		3.00	
2	MD48	HA	L	FL TYLER		3.25	
2	MD48	HA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
2	SA3	HA	L	FW CESSNA 188		3.00	1 GALLON WATER
2	SA3	HA	L	FW CESSNA 188		3.75	2 GALLONS WATER
2	SA3	HA	L	FW CESSNA 188		4.25	3 GALLONS WATER

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	SA3	HA	L	FW CESSNA 188		5.00	5 GALLONS WATER
2	16	HA	L	FL TERRIGATOR		3.00	
2	16	HA	L	TM JOHN DEERE		2.75	
2	17	HA	L	TM HARDY		3.00	
2	17	HA	G	PT VALMAR ON HARROW BAR	$1.75/AC		WITH PURCHASE OF PRODUCT
2	17	HA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
2	17	HA	L	FL TERRIGATOR		3.00	
2	17	HA	G	FL TERRIGATOR		3.00	
2	17	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	6	HA	G	PT MODET	$1/AC		WITH PURCHASE OF PRODUCT
3	10	HA	G	PT MODET	$1/AC		WITH PURCHASE OF PRODUCT
3	10	HA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
3	14	HA	G	PT MODET	$0.75/AC		WITH PURCHASE OF PRODUCT
3	18	HA	G	PT MODET	$75/DAY		WITH PURCHASE OF PRODUCT
3	18	HA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
3	22	HA	L	FW PIPER PAWNEE		3.00	1 GALLON WATER
3	22	HA	L	FW PIPER PAWNEE		3.00	2 GALLONS WATER
3	22	HA	L	FW PIPER PAWNEE		4.00	4 GALLONS WATER
3	22	HA	L	MELROSE SPRAY COUP		3.75	
3	23	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	23	HA	L	TM HARDY		2.75	
3	23	HA	G	TM VALMAR		2.10	
3	29	HA	L	FW AYRES TURBO THRUSH		3.10	1 GALLON WATER
3	29	HA	L	FW AYRES TURBO THRUSH		3.65	2 GALLONS WATER
3	29	HA	L	FW AYRES TURBO THRUSH		4.15	3 GALLONS WATER
3	29	HA	G	PT VALMAR ON HARROW BAR	$1.75/AC		
3	29	HA	G	PT VALMAR	$125/DAY		WITH PURCHASE OF PRODUCT
4	MD52	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
4	MD52	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
4	MD61	HA	L	SP SPRAY COUP		3.50	
4	9	HA	L	FL BIG A		3.50	
4	9	HA	G	AS VALMAR ON CULT	$2/AC		
4	19	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
4	19	HA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
4	24	HA	L	FW GRUMMAN AG-CAT		3.50	1 GALLON WATER
4	24	HA	L	FW GRUMMAN AG-CAT		3.85	2 GALLONS WATER
4	24	HA	L	FW GRUMMAN AG-CAT		4.50	3 GALLONS WATER
4	24	HA	L	FW GRUMMAN AG-CAT		3.25	1 GALLON WATER
4	24	HA	L	FW GRUMMAN AG-CAT		3.60	2 GALLONS WATER
4	24	HA	L	FW GRUMMAN AG-CAT		3.75	3 GALLONS WATER

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
4	27	HA	L	PT GROUND SPRAYER		2.00	
4	27	HA	L	SP SPRAY COUP		2.75	
5	ID14	HA	L	PT SPRAY COUP		2.50	
5	MD90	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
5	MD90	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	MD92	HA	L	FL TERRIGATOR		2.75	
5	7	HA	L	FL TERRIGATOR		3.00	
5	11	HA	L	FW CESSNA AG-TRUCK		2.75	1 GALLON WATER
5	11	HA	L	FW CESSNA AG-TRUCK		3.25	2 GALLONS WATER
5	20	HA	G	PT NODET			WITH PURCHASE OF PRODUCT
5	20	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	25	HA	G	PT NODET	$0.50/AC		WITH PURCHASE OF PRODUCT
5	31	HA	L	FW GRUMMAN AG-CAT		3.25	1 GALLON WATER
5	31	HA	L	FW GRUMMAN AG-CAT		4.00	2 GALLONS WATER
5	31	HA	L	FW GRUMMAN AG-CAT		4.50	3 GALLONS WATER
6	MD130	HA	L	PT HARDY		2.75	
6	MD130	HA	L	SP SPRAY COUP		2.75	
6	MD133	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT

HERBICIDE APPLICATION 1988

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
6	MD135	HA	G	PT VALMAR	$60/DAY		WITH PURCHASE OF PRODUCT
6	MD136	HA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
6	1	HA	L	FL BIG A		3.75	
6	1	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
6	1	HA	G	PT VALMAR	$60/DAY		WITH PURCHASE OF PRODUCT

CROP SEEDING 1988

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD9	CS	PT HOE DRILL		6.00	CEREALS
1	MD9	CS	PT HOE DRILL		7.00	CEREALS & GRASS
1	MD14	CS	FW PIPER PAWNEE		5.00	HAY OR GRASS
1	MD26	CS	PT HOE DRILL		6.00	W/GRANULAR FERTILIZER
1	2	CS	PT HOE DRILL		6.25	W/FERTILIZER
1	4	CS	PT HOE DRILL		6.50	
1	5	CS	FL LOREL		3.25	HAY, GRASS, OR RAPESEED
2	ID7	CS	FW GRUMMAN AG-CAT		3.50	GRASS OR RAPESEED
2	ID7	CS	FW PIPER PAWNEE		3.50	GRASS OR RAPESEED
2	MD31	CS	FW GRUMMAN AG-CAT		3.00	GRASS OR RAPESEED
2	MD31	CS	AS JOHN DEERE		6.25	CEREALS
2	MD31	CS	AS JOHN DEERE		7.25	CEREALS W/FERTILIZER
2	MD34	CS	SEED DRILL		7.00	W/FERTILIZER
2	MD44	CS	FL LOREL		3.00	
2	MD44	CS	FL LOREL		5.00	W/FERT; 2 PASSES
2	MD47	CS	FL TYLER		3.25	GRASS SEED & FERTILIZER
2	MD48	CS	FL LOREL		3.25	HAY, GRASS OR RAPESEED
2	MD48	CS	AS JOHN DEERE		5.50	

CROP SEEDING 1988

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	MD48	CS	TM VALMAR		2.75	GRASS
2	16	CS	AS FRIGSTAD		8.50	CEREALS
2	16	CS	AS WILLRICH		5.25	RAPESEED
2	17	CS	DISK DRILL		6.00	
2	17	CS	DISK DRILL		6.50	W/FERTILIZER
2	17	CS	TM BARBER		2.25	
3	3	CS	TM BARBER		2.50	
3	3	CS	FL LOREL		3.00	
3	6	CS	FL TYLER		3.25	GRASS OR RAPESEED
3	6	CS	AS JOHN DEERE		6.00	
3	14	CS	FW GRUMMAN AG-CAT		4.00	CEREALS
3	14	CS	FW GRUMMAN AG-CAT		3.40	OILSEEDS
3	14	CS	AS CONCORD 40'W/PACKERS		7.75	CULT, SEED, HARROW & PACK
3	14	CS	FW GRUMMAN AG-CAT		3.60	GRASS OR RAPESEED
3	18	CS	TM VALMAR		2.50	RAPESEED
3	22	CS	FW PIPER PAWNEE		3.25	RAPESEED
3	22	CS	FL LOREL		3.25	GRASS OR RAPESEED
3	23	CS	AS CONCORD		12.00	W/DEEP BANDING FERT
3	29	CS	FW PIPER PAWNEE		3.00	RAPESEED
3	29	CS	FW PIPER PAWNEE		4.50	CEREALS

CROP SEEDING 1988

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	29	CS	FW AYRES TURBO THRUSH		4.00	GRASS OR RAPESEED
3	29	CS	FW AYRES TURBO THRUSH		4.50	CEREALS
4	13	CS	AS JOHN DEERE		5.00	CEREALS
4	19	CS	AS JOHN DEERE		5.00	CEREALS OR OILSEEDS
4	21	CS	PRESS DRILL		5.00	CEREALS
4	24	CS	FW GRUMMAN AG-CAT		3.50	GRASS OR RAPESEED
4	24	CS	FW GRUMMAN AG-CAT		4.10	CEREALS
4	24	CS	FW GRUMMAN AG-CAT		3.35	OILSEEDS
5	MD90	CS	FW GRUMMAN AG-CAT		3.50	GRASS OR RAPESEED
5	MD90	CS	FW GRUMMAN AG-CAT		4.00	CEREALS
5	7	CS	FL LOREL		3.25	
5	31	CS	AS JOHN DEERE		6.00	CEREALS
6	MD135	CS	FL LOREL		3.75	GRASS OR RAPESEED
6	1	CS	AIR DRILL JOHN DEERE		6.00	RAPESEED
6	1	CS	AS FRIGSTAD		6.50	CEREALS